

housing, without losing flexibility. This can be used, for example, in devices which demand miniaturization such as cellular telephones, and in particular, when a connector and a coaxial cable is passed through a small pass-through hole, a coaxial cable can be passed through the pass-through hole by bending it from the base of the connector.

[Document Type]                      Claims

[Claim 1]

A soldering method,

being a solder processing method for thin coaxial cables,

including a step for placing a coaxial cable shield on a grounding bar,

a step for supplying solder to the grounding bar or the shield,

a step for installing a cooling member next to and in contact with the grounding bar,

and a step for soldering the grounding bar and the coaxial cable together,

wherein the region of the coaxial cable next to and in contact with the cooling member is cooled, thereby preventing the flow of solder into regions other than the portions to be soldered.

[Claim 2]

A method according to claim 1, being a soldering method for thin coaxial cables, wherein soldering is performed while maintaining the temperature of the portion of the coaxial cable that is next to and in contact with the grounding bar at 150 degrees Celsius or below, by said process.

[Claim 3]

A cooling member, being a cooling member for soldering, said cooling member being able to have a coaxial cable pass through it, and having a pass-through hole for holding said coaxial cable, and a contact region that can come into contact with a region next to and in contact with the portion on which the soldering is to be done, and which, during soldering with a grounding bar, the heat that is conducted from the portion being soldered to the coaxial cable side is absorbed by the contact region, said region being able to be kept at below the melting point of the solder.

[Claim 4]

A cooling member according to claim 3, which can cool a cooling region to a cooling temperature of 150 degrees Celsius or below.

[Claim 5]

A grounding bar, having an end region for joining to a housing, which is fixed to a housing by joining together with solder said end region and a metal portion provided on the housing.